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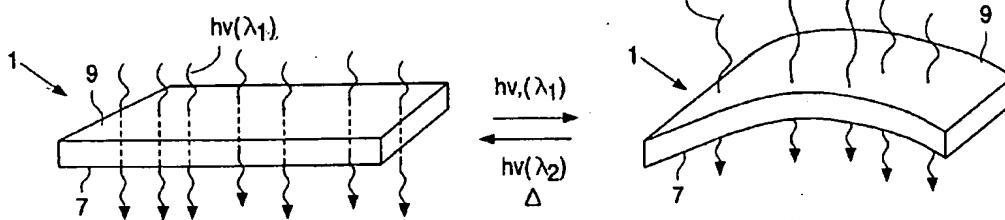
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(54) Title: FLEXIBLE FOIL MOVEABLE BY MEANS OF LIGHT

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(57) Abstract: A flexible foil which is moveable by means of light comprises a dye which is capable of changing shape when absorbing light of a predetermined wavelength. The dye is dispersed in the foil such that, near at least one major surface of the foil, the dye is anisotropically oriented. Transverse to the foil, the concentration and/or orientation of the dye changes in an asymmetric manner. The change in orientation and/or concentration is such that, when exposed to light of the predetermined wavelength, the flexible foil moves. When exposed the dye changes shape which change in shape causes a change in lateral dimension of the foil which change in lateral dimension is, due to the change in concentration and/or orientation of the dye, different at different locations with the foil. This causes the flexible foil to move or more particular bend. In a specific embodiment the movement is reversible.



HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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